



WORKSHOP ON COMBINED HEAT AND POWER

Reducing Facility Energy Costs and Operating Emissions: Implementation of Combined Heat and Power

Electric power rates have and will continue to increase significantly in Pennsylvania. Total emissions associated with a facility operation (the carbon footprint) are of increasing concern and potentially subject to regulation. Given a facility with appropriate thermal and electric load profiles, a properly implemented combined heat power (CHP) system can substantially reduce total site energy expenditures while at the same time significantly lower its total carbon footprint. CHP is the simultaneous production of electrical or mechanical power and useful thermal energy from a single fuel source.

This workshop will focus on four major benefits of CHP: Cost Savings; Emissions Reduction; Reliability; National Security and will delineate

- CHP system components
- Fuel utilization efficiency relative to conventional configurations
- Suitability of CHP for your facility
- Key site load profile and energy cost parameters
- How to estimate financial payback
- State and Federal incentive programs

Workshop sponsored and presented by experts from:



U.S. DEPARTMENT OF ENERGY
Clean Energy Application Center
MID-ATLANTIC

Department of Energy Mid-Atlantic
Clean Energy Application Center,
Pennsylvania State University

PENNSTATE



College of Engineering,
Pennsylvania State University



Green Building Association
of Central Pennsylvania



Northeastern Pennsylvania
Alliance

Date: Wednesday October 20, 2010
Time: 10:00 am-3:30 pm
Continental breakfast and lunch to be provided.
Location: Hilton Scranton Hotel & Conference Center
100 Adams Avenue,
Scranton, PA 18503
Tel: 1-570-343-3000
Fax: 1-570-343-8415
Parking: Medallion & Casey Garage – Discounted
parking for events at the Hilton (Use the
Medallion Garage for overnight guests)
Cost: No charge

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